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TITLE : DURABLE ANTISTATIC WATER-REPELLENT PROCESSING FOR SYNTHETIC FIBER

ABSTRACT : PROBLEM TO BE SOLVED: To provide a processing method of a synthetic fibers product for giving antistatic property, water-repellent property and washing durability.

SOLUTION: This durable antistatic water-repellent processing method comprises applying prepolymers of a polyglycidyl ether of an aliphatic polyhydric alcohol and dialkylamine of polyoxyethylene as an antistatic agent and an aqueous solution containing a fluorine-based water-repellent agent and a block polyisocyanate as water-repellent agents to synthetic fibers and heat-treating. By simultaneously or successively treating a synthetic fibers product with an antistatic agent and a water-repellent agent, antistatic/water-repellent properties having washing durability can be coexisted.

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